

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. (Optional) UCSD1330-2	Serial No.: 10/087,441
	Applicant(s): Bernhard O. Palsson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: March 1, 2002	Group Art Unit: Unassigned 1631

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
MPE	AA	WO 00/46405	8/10/2000	PCT		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

MPE	AB	Covert et al., "Regulation of Gene Expression In Flux Balance Models of Metabolism," <i>J. Theor. Biol.</i> , Vol. 213, 2001, pgs. 73-78
	AC	Covert, Markus W. et al., "Metabolic Modeling of Microbial Strains In Silico," <i>Trends in Biochemical Sciences</i> , Vol. 26, 2001, pgs. 179-186.
	AD	Edwards, Jeremy S. et al., "In Silico Predictions of Escherichia Coli Metabolic Capabilities are Consistent With Experimental Data," <i>Nature Biotechnology</i> , Vol. 19, February 2001, pgs. 125-130
	AE	Edwards, Jeremy S. et al., "Characterizing the Metabolic Phenotype: A Phenotype Phase Plane Analysis," <i>Biotechnology and Bioengineering</i> , Vol. 77, No. 1, January 5, 2002, pgs.27-36.
	AF	Edwards and Palsson, "The Escherichia Coli MG1655 In Silico Metabolic Genotype: Its Definition, Characteristics, and Capabilities," <i>Proc. Nat'l Acad. Sci. USA</i> , Vol. 97, No. 10, May 9, 2000, pgs. 5528-5533.
MPE	AG	Edwards and Palsson, "Systems Properties of the Haemophilus Influenzae Rd Metabolic Genotype," <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 25, June 18, 1999, pgs. 17410-17416.

EXAMINER <i>MPE Allen</i>	DATE CONSIDERED <i>3/17/02</i>
---------------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

Gray Cary/GT\6298311.1
101668-66

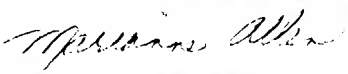
RECEIVED

JUN 24 2002

TECH CENTER 1600/2900

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. (Optional) UCSD1330-2	Serial No.: 10/087,441
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant(s): Bernhard O. Palsson et al. Filing Date: March 1, 2002	Group Art Unit: Unassigned 1651

mca-	AH	Fell and Small, "Fat Synthesis In Adipose Tissue: An Examination of Stoichiometric Constraints," <i>J. Biochem.</i> , Vol. 238, 1986, pgs. 781-786.
	AI	Majewski and Domach, "Simple Constrained-Optimization View of Acetate Overflow In E. Coli," <i>Biotechnology and Bioengineering</i> , Vol. 35, 1990, pgs. 732-738.
	AJ	Palsson, Bernhard, "The Challenges of In Silico Biology: Moving From A Reductionist Paradigm To One That Views Cells as Systems Will Necessitate Changes In Both the Culture and the Practice of Research," <i>Nature Biotechnology</i> , Vol. 18, November 2000, pgs. 1147-1150.
	AK	Schilling, Christophe H. et al., "Theory For the Systemic Definition of Metabolic Pathways and Their Use In Interpreting Metabolic Function From A Pathway-Orientated Perspective," <i>J. Theor. Biol.</i> , Vol. 203, 2000, pgs. 229-248.
	AL	Schilling, Christophe H. et al., "Assesment of the Metabolic Capabilities of Haemophilus Influenzae Rd Through A Genome-Scale Pathway Analysis," <i>J. Theor. Biol.</i> , Vol. 203, 2000, pgs. 249-283.
	AM	Schilling, Christophe H. et al., "Combining Pathway Analysis With Flux Balance Analysis for the Comprehensive Study of Metabolic Systems," <i>Biotechnology and Bioengineering</i> , Vol. 71, No. 4, 2000, pgs. 286-306.
	AN	Schilling, Christophe H. et al., "Toward Metabolic Phenomics: Analysis of Genomic Data Using Flux Balances," <i>Biotechnol. Prog.</i> , Vol. 15, 1999, pgs. 288-295.
	AO	Schilling, Christophe H. et al., "Metabolic Pathway Analysis: Basic Concepts and Scientific Applications In the Post-Genomic Era," <i>Biotechnol. Prog.</i> , Vol. 15, 1999, pgs. 296-303.
	AP	Schilling and Palsson, "The Underlying Pathway Structure of Biochemical Reaction Networks," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, April 1998, pgs. 4193-4198.
2	AQ	Thomas, R., "Logical Analysis of Systems Comprising Feedback Loops," <i>J. Theor. Biol.</i> , Vol. 73, 1978, pgs. 631-656.
mca-	AR	Thomas, Rene, "Boolean Formalization of Genetic Control Circuits," <i>J. Theor. Biol.</i> , Vol. 42, 1973, pgs. 563-585.

EXAMINER 	DATE CONSIDERED 5/14/04
---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

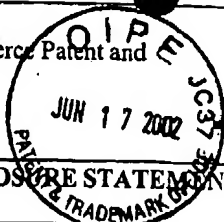
Gray Cary/GT6298311.1
 101668-66

RECEIVED

JUN 24 2002

TECH CENTER 1600/2900

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. (Optional) UCSD1330-2	Serial No.: 10/087,441
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant(s): Bernhard O. Palsson et al.	
	Filing Date: March 1, 2002	Group Art Unit: Unassigned 1631



	AS	Vanrollegham, Peter A. et al., "Validation of a Metabolic Network for Saccharomyces Cerevisiae Using Mixed Substrate Studies," <i>Biotechnol. Prog.</i> , Vol. 12, 1996, pgs. 434-448.
	AT	Varma and Palsson, "Metabolic Flux Balancing: Basic Concepts, Scientific and Practical Use," <i>Biotechnology</i> , Vol. 12, October 1994, pgs. 994-998.
	AU	Varma and Palsson, "Stoichiometric Flux Balance Models Quantitatively Predict Growth and Metabolic By-Product Secretion In Wild-Type Escherichia Coli W3110," <i>Applied and Environmental Microbiology</i> , Vol. 60, No. 10, October 1994, pgs. 3724-3731.

RECEIVED

JUN 24 2002

TECH CENTER 1600/2900

EXAMINER 	DATE CONSIDERED
---------------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

Gray Cary\GT\6298311.1
 101668-66

FORM PTO-1449

U.S. Department of Commerce Patent
Trademark Office

Docket No. (Optional)

UCSD1330-2

Serial No.:

10/087,441

Applicant(s):

Bernhard O. Palsson et al.

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Filing Date:

March 1, 2002

Group Art Unit:

1632 / 1631

RECEIVED
MAY 28 2003

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
MFA	AV	5,689,633	11/18/97	Cotner et al.	395	182.14	

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

Gray Cary\GT\6349273.1
101668-66

EXAMINER

MFA

DATE CONSIDERED

3/1/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

Gray Cary\GT\6349273.1
101668-66